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Amendments to the Specification:

Please replace the paragraphs [0008] to [0017] with the following rewritten paragraphs:

[0008] -- According to ~~claim 1~~ a first aspect of the present invention, in a method of installing an anchor bolt in a fixing surface, first, a first fixing hole for fixing the anchor bolt is drilled in the fixing surface. Then, a second fixing hole is drilled from a distal end portion of the first fixing hole in an inclined state. Afterward, an anchor bolt bent at a middle portion thereof is fixed to the first fixing hole and the second fixing hole.

[0009] According to ~~claim 2~~ a second aspect of the present invention, in a method of installing an anchor bolt in a fixing surface, first, a first fixing hole for fixing the anchor bolt is drilled in the fixing surface. Then, a plurality of second fixing holes is drilled from a distal end portion of the first fixing hole in an inclined state. Afterward, an anchor bolt having a plurality of branched portions at a middle portion thereof is fixed to the first fixing hole and the second fixing holes.

[0010] According to ~~claim 3~~ a third aspect of the present invention, in ~~claim 1~~ the first aspect or ~~claim 2~~ the second aspect of the present invention, the first fixing hole is drilled with a first drilling bit detachably attached to a distal end of a first drilling tool. Then, the first drilling bit at the distal end of the first drilling tool is replaced with a guide bush. A second drilling tool is inserted through a guide hole formed in the guide bush in an inclined state. Lastly, the

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second fixing hole is drilled with a second drilling bit detachably attached to a distal end of the second drilling tool.

[0011] According to ~~claim 4~~ a fourth aspect of the present invention described, in ~~claim 2~~ the second aspect or ~~claim 3~~ the third aspect of the present invention, at least one of the plurality of the second fixing holes is drilled to penetrate through an existing reinforcing member installed inside the fixing surface.

[0012] According to ~~claim 5~~ a fifth aspect of the present invention described, in any one of ~~claim 2~~ the second aspect to ~~claim 4~~ the fourth aspect of the present invention, the plurality of the branched portions of the anchor bolt is formed of a shape-memory alloy, so that a distal end portion of the anchor bolt can open and close according to a temperature change.

[0013] According to ~~claim 6~~ a sixth aspect of the present invention, in a method of drilling a fixing hole for fixing an anchor bolt in a fixing surface, first, a first fixing hole is drilled in the fixing surface. Then, a plurality of second fixing holes is drilled from a distal end portion of the first fixing hole in an inclined state.

[0014] According to ~~claim 7~~ a seventh aspect of the present invention, in claim 6 of the present invention, the first fixing hole is drilled with a first drilling bit detachably attached to a distal end of a first drilling tool. Then, the first drilling bit at the distal end of the first drilling tool is replaced with a guide bush. A second drilling tool is inserted through a guide hole formed in the guide bush in an inclined state. The second fixing holes are drilled with the second drilling bit detachably attached to a distal end of the second drilling tool.

[0015] According to ~~claim 8~~ an eighth aspect of the present invention described, in ~~claim 6~~ the sixth aspect or ~~claim 7~~ the

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seventh aspect of the present invention, at least one of the plurality of the second fixing holes is drilled to penetrate through an existing reinforcing member installed inside the fixing surface.

[0016] According to ~~claim 9~~ a ninth aspect of the present invention, in a drilling device for drilling a fixing hole for fixing an anchor bolt in a fixing surface, the drilling device includes a first drilling tool; a first drilling bit detachably attached to a distal end of the first drilling tool; a guide bush detachably attached to the distal end of the first drilling tool; a second drilling tool to be inserted through a guide hole formed in the guide bush in an inclined state, and having a diameter smaller than that of the first drilling tool; and a second drilling bit detachably attached to a distal end of the second drilling tool.

[0017] According to ~~claim 10~~ a tenth aspect of the present invention, in ~~claim 9~~ the ninth aspect of the present invention, the second drilling bit includes a guide portion on an outer circumference surface thereof having a height same as that of a grinding stone. --

Please replace the paragraph **[0018]** with the following rewritten paragraph:

-- **[0018]** Fig. 1 is a side sectional view showing a drilling device according to the present invention;

~~Fig. 2 are~~ Fig. 2(a) is a side view ~~(a)~~ and Fig. 2(b) is a plan view ~~(b)~~ showing a first drilling bit;

~~Fig. 3 are~~ Fig. 3(a) is a side view ~~(a)~~ and Fig. 3(b) is a plan view ~~(b)~~ showing a second drilling bit;

~~Fig. 4 is a side view~~ Figs. 4(a) to 4(c) are side views each showing an anchor bolt;

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~~Fig. 5 is a side view~~ Figs. 5(a) and 5(b) are side views
each showing an anchor bolt;

Fig. 6 is a side view showing an anchor bolt;

Fig. 7 is a side view showing an anchor bolt;

Fig. 8 is a side view showing an anchor bolt;

~~Fig. 9 is a side view~~ Figs. 9(a) and 9(b) are side views
each showing an anchor bolt;

Fig. 10 is a side view showing an anchor bolt;

Fig. 11 is a side sectional view showing a method of
drilling a first fixing hole and a second fixing hole;

Fig. 12 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

Fig. 13 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

Fig. 14 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

Fig. 15 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

Fig. 16 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

Fig. 17 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

Fig. 18 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

Fig. 19 is a side sectional view showing the method of
drilling the first fixing hole and the second fixing hole;

~~Fig. 20 are~~ Fig. 20(a) is a side view ~~(a)~~ and Fig. 20(b) is
a plan view ~~(b)~~ showing a second drilling bit;

~~Fig. 21 is a side view~~ Figs. 21(a) to 21(c) are side views
each showing an anchor bolt;

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~~Fig. 22 are~~ Fig. 22(a) is a side sectional view ~~(a)~~ and Fig. 22(b) is a plan view ~~(b)~~ showing a method of drilling a first fixing hole; and

Fig. 23 is a side sectional view showing the method of drilling the first fixing hole. --

Please replace the paragraph **[0029]** with the following rewritten paragraph:

-- **[0029]** The drilling device according to the present invention will be explained first. As shown in ~~Figs. 1 to 3~~ Figs. 1 to 3(a)-3(b), a drilling device 1 includes a first drilling tool 3 for drilling a first fixing hole 2; a first drilling bit 4 detachably attached to a distal end of the first drilling tool 3; a guide bush 5 detachably attached to the distal end of the first drilling tool 3; a second drilling tool 7 to be inserted through a guide hole 6 formed in the guide bush 5 in an inclined state, and having a diameter smaller than that of the first drilling tool 5; and a second drilling bit 8 detachably attached to a distal end of the second drilling tool 7. --

Please replace the paragraph **[0032]** with the following rewritten paragraph:

-- **[0032]** As shown in ~~Fig. 2~~ Figs. 2(a) and 2(b), in the first drilling bit 4, segment grinding stones 4b arranged in a circular shape are attached to an outer circumference of a bit main body 4a attached to the distal end of the outer tube 11. --

Please replace the paragraph **[0035]** with the following rewritten paragraph:

-- **[0035]** As shown in ~~Fig. 3~~ Figs. 3(a) and 3(b), in the second drilling bit 8, segment grinding stones 8b are attached with an

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interval along a circumferential direction to an outer circumference of a bit main body 8a attached to the distal end of the inner tube 16. Further, guide members 8c with a convex shape having a height same as that of the segment grinding stones 8b are attached to the outer circumference with an interval along a circumferential direction. The guide members 8c with a convex shape prevent the second drilling bit 8 from grinding the guide hole 6 of the guide bush 5. When the second drilling bit 8 grinds the guide hole 6 of the guide bush 5, it is difficult to determine a traveling direction of the second drilling tool 7. Also, the guide members 8c enable the second drilling bit 8 to advance linearly. --

Please replace the paragraph [0043] with the following rewritten paragraph:

-- [0043] In the last step, the second drilling tool 7 is pulled out from the second fixing hole ~~19~~ 19', and the first drilling tool 3 is pulled out from the first fixing hole 2. --

Please replace the paragraphs [0045] and [0046] with the following rewritten paragraphs:

-- [0045] As shown in ~~Fig. 4~~ Figs. 4(a) to 4(c), anchor bolts 20, 21, and 22 each branched into two portions at a middle portion thereof are inserted into the first and second fixing holes ~~2 and 19~~ 2, 19, and 19'.

[0046] The anchor bolt 20 shown in Fig. 4(a) is formed of a shape-memory alloy. Two distal end portions 24 and 25 having a solid-core cylindrical shape are branched from a middle portion of a main body portion 23 having a solid-core cylindrical shape. At a normal temperature, the two distal end portions 24 and 25 closely contact with each other. When heated, the two distal end

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portions 24 and 25 separate toward outside. Accordingly, the anchor bolt 20 is inserted into the first fixing hole 2 up to a distal end portion thereof at a normal temperature. Then, the anchor bolt 20 is heated, so that the two distal end portions 24 and 25 can be inserted into the second fixing ~~hole 19~~ holes 19 and 19', respectively. --

Please replace the paragraphs [0050] and [0051] with the following rewritten paragraphs:

-- [0050] As described above, the anchor bolts 20, 21, and 22 to be inserted into the first and second fixing holes ~~2 and 19~~ 2, 19, and 19' are branched into a plurality of portions at the middle portions thereof, and are bent at the middle portion thereof. Accordingly, it is possible to increase a pulling out force after being fixed.

[0051] The anchor bolt is not limited to the anchor bolts 20, 21, and 22 shown in ~~Fig. 4~~ Figs. 4(a) to 4(c), and anchor bolts 46 and 47 shown in ~~Fig. 5~~ Figs. 5(a) and 5(b) may be used. --

Please replace the paragraph [0054] with the following rewritten paragraph:

-- [0054] The anchor bolts 20, 21, 22, 46, and 47 shown in Figs. ~~4 and 5~~ 4(a)-4(c) and 5(a)-5(b) have the distal end portions branched into the two portions having a same diameter, and the invention is not limited thereto. --

Please replace the paragraph [0057] with the following rewritten paragraph:

-- [0057] As shown in ~~Fig. 9~~ Figs. 9(a) and 9(b), an anchor bolt 43 is branched from a middle portion thereof into distal end portions 41 and 42. A center distal end portion 41 among the

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distal end portions 41 and 42 is formed in a linear shape penetrating through the reinforcing member 39, and other distal end portions 42 are bent toward outside from the middle portion.

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Please replace the paragraphs **[0062]** with the following rewritten paragraph:

-- **[0062]** As shown in ~~Fig. 20~~ Figs. 20(a) and 20(b), the second drilling bit 71 is attached to a distal end of a boring bar 74 having flexibility and a cylindrical shape. Grinding stones 76 are attached to an outer circumferential end portion of a main body 75 having a cylindrical column shape. The protruding guide portion 78 having a sharp-pointed shape is formed at a center of a distal end of the main body 75. A through hole 79 communicating with the boring bar 74 is formed in the main body 75. --